

Abstract

Among other things, a process for producing an agglomerated superabsorbent polymer particle and an agglomerated superabsorbent polymer particle are disclosed. The
5 process comprises the steps of:

(A) bringing superabsorbent polymer fine particles having at least about 40 wt.%,
a particle size of less than about 150 μm into contact with a fluid comprising
to more than about 10 wt.% a cross-linkable, uncrosslinked polymer based on
polymerized, ethylenically unsaturated, acid group-bearing monomers or salts
10 thereof; and

(B) cross-linking the uncrosslinked polymer by heating the superabsorbent
polymer fine particles and the fluid to a temperature from about 20 to about
300 $^{\circ}\text{C}$, so that the cross-linkable, uncrosslinked polymer at least partially
crosslinks.

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